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CLAIMS

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1. A method of screening or testing for candidate antifungal compounds that impair tRNA ligase enzyme (TRL1) function, comprising:

- 5 a) providing fungal TRL1;
 - b) providing one or more candidate compounds;
 - c) contacting said TRL1 with said one or more candidate compounds; and
 - d) determining the interaction of the candidate compound with said TRL1.
- 2. A method according to claim 1 wherein the TRL1 comprises a fragment, a function-conservative variant, an active fragment or a fusion protein of TRL1.
 - 3. A method according to any one of claims 1 or 2, wherein the fungal TRL1 is from fungus of Candida or Aspergillus species.
 - 4. A modified eukaryotic cell(s) wherein the cell(s) expresses fungal TRL1 under the control of a heterologous promoter.
 - 5. The cell according to claim 4 which is a C. albicans cell.
 - 6. The cell according to any one of claims 4 or 5, wherein the TRL1 is homologous.
 - 7. The cell according to any one of claims 4 to 5, wherein the TRL1 comprises a fragment, a function-conservative variant, an active fragment or a fusion protein of TRL1.
 - 8. A method of screening or testing for candidate anti-fungal compounds that impair tRNA ligase enzyme (TRL1) function, comprising:
 - a) providing fungal TRL1 in a eukaryotic cell(s) as defined in any one of claims 4 to 7;
 - b) providing one or more candidate compounds;
- 30 c) contacting said eukaryotic cell(s) with said one or more candidate compounds; and
 - d) determining the interaction of the candidate compound with said TRL1 by assessing the effect on growth or viability of said cells.
- 9. A compound identified by the method of claims 1, 2, 3 or 8, which impairs TRL1 function for use as an antifungal compound.
 - 10. A pharmaceutical composition comprising a TRL1 inhibitor and a pharmaceutically acceptable carrier.
- 40 11. Candida or Aspergillus TRL1 as a specific target for antifungal compounds.
 - 12. The use of a TRL1 inhibitor, in the manufacture of a medicament for the treatment of fungal infections.
- 45 13. The use of a TRL1 inhibitor, in the manufacture of a medicament for the treatment of fungal infections in a subject who is immunosuppressed.

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14. The use according to claim 12 or 13 wherein the fungal infection is a topical, mucosal or systemic fungal infection.

- 5 15. The use according to claim 14 wherein the topical or mucosal fungal infection is caused by species of Candida or the systemic fungal infection is caused by species of Candida or Aspergillus.
 - 16. The use according to any one of claims 12 to 15 wherein said compound impairs fungal TRL1 function to a greater extent than host TRL1 function.

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